

# Abstron TG3M

Acrylonitrile Butadiene Styrene  
Bhansali Engineering Polymers Limited

Message:

Abstron TG3M is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific. Typical application: Automotive.  
Characteristics include:  
Flame Rated  
High Flow  
Impact Resistant

General Information			
Features	High Flow		
	High Impact Resistance		
	Paintable		
Uses	Automotive Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	33	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	38.2	MPa	ASTM D638
Flexural Modulus <sup>2</sup> (6.40 mm, Injection Molded)	1860	MPa	ASTM D790
Flexural Strength <sup>3</sup> (6.40 mm, Injection Molded)	55.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm, Injection Molded	370	J/m	
23°C, 6.40 mm, Injection Molded	290	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>4</sup> (1.8 MPa, Annealed, 6.40 mm, Injection Molded)	90.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
NOTE			

1.	Type I, 5.0 mm/min
2.	5.0 mm/min
3.	5.0 mm/min
4.	Annealed at 80°C for 2 hr

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#### Recommended distributors for this material

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